

**REMARKS**

Claims 24-25 and 27-31 are pending in the application. Claims 1-23 and 26 are canceled. Claim 27 is amended into independent form to include all of the limitations of the base claim and any intervening claims with this amendment. Applicants note with appreciation the provisional allowance of claims 27-30. Reconsideration of the application is respectfully requested.

**I. REJECTION OF CLAIMS 1-9, 15 AND 20-22 UNDER 35 U.S.C. § 102(b)**

Claims 1-9, 15 and 20-22 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,479,539 (Goldsmith et al.). Claims 1-9, 15 and 20-22 have been canceled with this response, thereby rendering the above issue moot. Accordingly, withdrawal of the rejection is respectfully requested.

**II. REJECTION OF CLAIMS 23-26 AND 31 UNDER 35 U.S.C. § 102(b)**

Claims 23-26 and 31 were rejected under 35 U.S.C. § 102(b) as being anticipated by Ramdane et al. paper entitled, "Monolithic Integration of Multiple-Quantum-Well Lasers and Modulators for High-Speed Transmission" in the Journal of Selected Topics in Quantum Electronics. Claims 23 and 26 have been canceled, and claims 24, 25 and 31 have been amended to depend upon claim 27, which has been indicated as allowable. Accordingly, withdrawal of the rejection is respectfully requested.

**III. REJECTION OF CLAIMS 10, 11 AND 16 UNDER 35 U.S.C. § 103(a)**

Claims 10, 11 and 16 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Goldsmith et al. in view of Yngvesson et al. ("The Tapered Slot Antenna-A New Integrated Element of Millimeter-Wave Applications" published in Transactions on Microwave Theory and Techniques). Claims 10, 11 and 16 have been canceled with this response, thereby rendering the above issue moot. Accordingly, withdrawal of the rejection is respectfully requested.

**IV. REJECTION OF CLAIMS 12-14 AND 17-19 UNDER 35 U.S.C. § 103(a)**

Claims 12-14 and 17-19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Goldsmith et al. in view of Uehara et al. ("Lens-Coupled Imaging Arrays for the Millimeter and Submillimeter-Wave Regions" published in Transactions on Microwave Theory and Techniques). Claims 12-14 and 17-19 have been canceled with this response, thereby rendering the above issue moot. Accordingly, withdrawal of the rejection is respectfully requested.

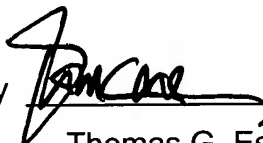
**V. CONCLUSION**

For at least the above reasons, the claims currently under consideration are believed to be in condition for allowance.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Should any fees be due as a result of the filing of this response, the Commissioner is hereby authorized to charge the Deposit Account Number 50-1733, MAIKP114US.

Respectfully submitted,  
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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper or item referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date July 19, 2005

Christine Gillroy  
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